Aviation Vews



New Helicopter Flies: Although more than 20 helicopter projects are under way, the P-V Engineering Forum was the second in recent months to make a public flight test. Above is a single passenger, 1,000-10. model hovering over an Army jeep before military officials at Washington National Airport last week.

Plane Output on Upward Trend

New production spurt forecast after disappointing September figures; Army, Navy press for adoption of incentive plans.

Feeder System Equipment Needs Revealed

Proponents testify before CAB that manufacturers could meet requirements but express doubt projects would be self-supporting.

Luftwaffe's New Strength Comes from Russia

Nazi air force transfers planes but is getting no stronger, military commentator says; Axis uses tactics that led to Africa rout.

U. S. Chamber's Route Policy Challenged

Pan American asks reconsideration, says stand is in fundamental conflict with views of air transport industry.

U. S. Policy on Contract Termination Near

Expected to develop at hearings just opened before subcommittee of Senate Military Affairs Committee.

OWI Report Reviews Warplane Progress

Finds performance of U. S. aircraft in combat vindicates American design. Box score shows U. S. plane superiority.

FIRST REVOLUTIONARY TCC REFINERY NOW IN FULL PRODUCTION!



Climoxing 10 years' petroleum research, Socony-Vocuum onnounces the first of the U.S.A.'s 31 new TCC Units—to produce a fixed of the world's fixest base stack for 100

NOW Assentifs soper war and borred of crafe 2: helps now state. The process of the control of th

lationary Thermofar Catalytes Cracking Brocess This process gives the Sexumoni plant double weeker importance For 8 not only problems from visition genishes as greater convicts, but also pendesswintal Bartaines for the \$750,000,000 enhance programs.

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THE AVIATION NEWS

Washington Observer

CONTRACT EXISINATION—Serimence of this predent contracts in give and same high effects here have any formulations in automatic heavy. He predicts are reported to the contract with saw ones londerly broken are the contract with saw ones londerly broken are the contract with saw ones londerly broken are part of the contract of the con

COUNTI, NAMES CHANGES — Sentence to the Network New Person (New Persons) Counting the Network New Persons Counting all of whom are also mentioned of the Aerosauria ci Changher of Commerce, have deep grateful the clear ber as their significant significant significant to the Counting of the New York (New York 1997) and the New Yor

BONDING OF GERBANY—Theciars as benefits for the tempt of Germany is said by West Department of Germany is said by West Department official to be high German designers have been seen of their improvally and are constitutely at Bases above. But the said are constitutely at Bases above, blowder-Secretary of War Patter-see clause reports inducts the spirit of German tempts in the said of signaturely that we seem to be a seen of the said o

SOCKET GUNS—There are some indicatases that the Neera' simplione rocket guas appeared to label as the other the German as freez from our sociating supersority. On the book of official calculate, the German loot at least 500 fulleres in an eight-day Alfrid editionity in 11 mass and the overfoods. It conveyes, that our fasses have been overfoods, thorovers, that our fasses have been covered and the United States for the stacked to cover and that these leaves do not account of the covered out of the stacked to misses which produces the covered out to the covere

DC-2 FLOATS—There have been some reports that the amphibian floats on the BC-T1 AVIATION NEWS A Orange 25, 1963 are not marking as well as had been hoped, and there appears this Blackholm of giving instassors production of modalition DC-74 in the near future. There is only one new, the prototype. The flusts were designed in an attempt is make there mediate to did to the lift of the plants by the contract of the contract of the plants of the contract of the contract of the asymptotic difference on the extra residual as appearable difference on the extra residual

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UAL's "New Autimer of Tonorrous"

AIR MAIL DELAY—There are indications

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FOR HOHTING FLYING HORSEPOWER



TOMORROWS ATR TRAFFIC-II ARREST

TOMORROW'S AIRPLANES-Awy estimate of the resolver of semicones likely to be in operation efter the war can be little more than an infarmed gress because of the intensifike and succeptainties surrounding the development of private forms. Henvery, the CAA has made a rough prognosteration that \$80,000 surcesft of

ANOTHER READACHE-The strend order-

AWPC AND THE PRESS-Specious of the Washington peers, newsmen in the capital were pleased to have an opportunity to docume coefees during the recent meetings of the

National Aircraft War Production Council The commer presidents made themselves available to the areas throughout the two-day meetings with a resultant better understanding on both

OLD LINE INDUSTRY-A production mon



and read Headquarters, 1252 Namenal Press Building.

Advertisers Index

trater Charles Stanton. He believes there is no as a resons of exponding air transport. Persi-AVIATION NEWS . October 15, 1945

factagon, but there is hardly a company that

HILP FOR THE INDUSTRIT-Cathoric in task production and pure other war materials for below plans drawn shartly before and on-

mediately after Penri Harbor, may free valuable

furthfur materials and labor for other labe in

which case prevent, young other industries.

CONTRACT TERMINATION... Under Secte.

we will have more than 14 first-line sirrould carriers, double the number we had on the date

of Pearl Harber, In disclosing this, the Navy

spokesman added "rad you can guest where

most of there will be working? He want't

counting reportion weather modifiery and except

SHOWT HOPS... The market for short-file.

EFFECTIVE **HUNTER HEATERS** MODEL UH3 - 40,000 STU

Burn any type of gasoline - from truck fuel to 100 octane! varied to list completely, and are multiplied delly by the impaination and innamity of man who halld here or convented analogant for the

service or supply of our ermed forces, or essential sixtless estivities. We held a variety of small powerful suits each with a reason of explications to which it is especially swited, YOUR heating problem may be one of these, or it may be one on which Huntur bentlern angineers can assist you in engiging the extremely flexible basis units of Huster Hosters to de exectly the lob year prod danc, in aither event, we shell be gled to furnish further infermetion specific

BULLETIN HB-2 HUNTER AND COMPANY Aircraft Equipment

CLEVELAND . OHIO

1540 EAST SEVENTEENTH STREET

New Spurt in Plane Output Looms After September Production Lag

McCraw-Rill Persenting Co . Inc

the arrest services and from the

Martin Mars Tested

Recent completion by the More

Disappointing unit total last month enced mainly to design changes; Anny and Navy press for widespread adoption of incentive plans in effort to meet increased needs. THE SCOTT HERSHEY

Exve though September unit production was virtually the same as in August-7098 as agreed 1812-

to show a gain over August was day from these plants, whose profur-

• Manpager—Industry continued to

still too early to get a complete per-

a Obsertions-It is deficult to derealer itself felt on down the land

Arrendt resembeturers indepen-

AAF Pors 100 Planes On New Feeder Service Nosema remports delivered to

Description of 100 Neardays C3O United Automobile Workers. Forces Air Service Command has k Schedules-Max Gen. Walter II bility of reallocating some existent mere-line routes of the Domesto

sheet-backs mystyrd. The uture



THE PIONEER LOOKS TO TOMORROW

OLDEST ROTARY WING AIRCRAFT MANUFACTURING COMPANY

TODAY or commence with the HISA A.E. TOMORROW we look forward to comay using developments for the factor (Philadelpho), Pennsylvania.

Kellers is speeding the engineering do postunities for Kellers to our nine and releasest and recognize of assesses, cost in narolling electric source lines. and helicopters for preferen needs. We see page lines, in manuscring mad and plants are also applying their seromagical variety of services for industry, commerce, suggesting to the production of important. foreity and agriculture. Keller's week furbacts and bombers - Thunderbolts, taken to amount pronounce mode, man Elberaros, Warhawke and Manaden . . . who, with us, see vist opportunities for while an extending come of formuch many wing paperson in the post-way ex-Inolding engineers continues Kelleri's ro- Kellen Aircraft Corporation, Upper Durby





New Helicopter Put Through Paces In Washington Demonstration

Single-seaser, 1 000.1h, model revealed as third of ryte in air our of over 26 projects under way. Built by P-V Engineering Forum. By BLAINE STUBBLIFFEED

A synthesister 1930-th belt-

Mechanism Simulfied-The PV-2. Figure-The entire is a Franklin. of 25 ft. Its lift and control print type, agr-cooled, 90 hp. It is eples are conventional, but com- recented with its municipalt verti-



NORTH AMERICAN'S "MUSTANG" CORRAL: shows patting the franking toucker on the fighters. Powered by Relle-

The comments has another model on bluestiat, with a payload of Blater Blades-The PV-2 rotor blades have a chord of \$16 in sent

New Research Group

Norwan V Carlade, editor, rather is executive editor and manager

Warplane Progress

OWI Report Reviews

Flox Seare-The report lists on ex-

Marker Maranden-In report to the

Box Score

OWI reports that from Don-1.

Policy on Contract Termination Looms

Forecard to develop at hereness

CONVAIR'S EXTREMES:

Banablar's P.-67 Thursdeebalt was Attorney Asks Pohrs ... Senator

 New Assessors—New places on the two-stage Allage supercharged onand-built, Belly-Royce Merlin ex-

continue for better bush-altitude per-

Four-Engine Bomber-The report | Clevel Senden-The subcommittee

accounting office-

New Plane Compass Developed by Bendix

A new type of compass which is

which, when amplified, turn the

b Unaffected by Berabland- the-

"Additional indicators are linked mand of AAF Col Landa' new



Gyre Play Gate Campion, Lt. 7. A. Johnston, Lorenarten, Ala., demonstrates the government of the new Render-developed model-and to be the

Continental Files For Route Extension

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coute from Kansas City, thus yourand Lacrosse, Wis , as untermediate applied for extension of Route 24 Texarkons and Fort South, Ark, Munkerer and Tules, Okla., and

FLoral Service—Five applications Evans Replaces Landis radiating from Newark to various here Park The everyone would

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hoes at Spokupe and Scottle. saked by Pacific Nerthwest Airwiss of Portland Intenting to use heli-White Orcio Line Inc. Thorne,

Spadework for Victory



Engineering in Wood



Timber Structures Inc. Builds for Today's "Musts"... Plans for Tomorrow's "Certainties" Today's must in timber constructhe construenon speed, economy,

bloop and simplier hangers, many Yo this entire field Timber Servebefore Pearl Harbor, just so it will



erection. All are past of Tupher Seructures service to plant moning, prefabrication, transportation, architects. All are propossible for the coupon

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day consideration. For informative





Lockheed Aircraft Corp. With the NWLB Orders Bell to Set Pay Scale In Line With Curtiss-Wright Plant Acre to trability uses in sinframe industry and establish uniform

job classification schedules; agency news summarized,

FNWLS assessmed that there rates

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National Labor Relations Board plants first, Dougles Averalt, Oklaof Electrical Workers-AFL, within

Wheth's comments came

P Decretalization—in last with its NUMB Covided IAM at Solar Ave-

and United Aircraft Wilders of NACA Makes Request For \$8,804,200 - War Department announced so

There is no restriction meserally that the employer first secure con-

Wright "Considering" Return of 1st Plane Koto Wands these from Engined to up 1965. The officed and the plane

Dr V G Abbott, Southenmore

after press reports of an interview place of honor, which is its day

New Grumman Wage Plan Studied For Key to Manpower Problem

Asserted industry wareheasing of inconting pay peneram appeared by War Labor Board.

Di George W. Taylor, vice-chetr-

FLabor's Stand Merriped C 3

PEmployees Share Gazes-Coder Planes Best Armament the Grassman plan, which is an Planes Best Armament) Gramman Plan Medified in the

The board said it would consider

New Devices Give U.S.

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Bill Seeks To Admit

WASPS to AAF Courtle win women who pure A bill to provide for acceptance

Working



Remain . . . Remain . . . British . . rip . rip . . rp . .

Minute after mirete . . . hour after hour . . . day after day chatter eyes on, down the long Swithik parachuse factories, as as as Namena for Assa Mile Indeal, that the arrestone lives of so worth, shall have that yield protection against the basards of combat from a c c . Then the genius of Switlik engineers, Swiffik methods of resolution have been developed that are daily establishing records in making more chates and faster



leres which are uneeding up our

Do was beat for the bell War Loop delter. SWITUK PARACHUTE COMPANY

AVIATION NEWS . October 15, 1943



FOR ALL FLYERS LATER

Hundreds of aviation experts on our staff are becoming seasoned voterans in their highly specialized jobs, as Georgis Air Service. Inc., configures to concentrate on Primary Training for Army Air Porces pilots, Without loss of a moment's time from today's job . . . we are facing toward tomorrow . . . ready to convert the knowledge and skill of this organization to the flying needs of a progressive nation . . . in peace.

* * * * SOUTHEASTERN AIR EXPRESS, INC., a subsidiary of Generic Air Service, Inc., ica "on the denoing huges" plans to proper the development of feeder lines throughout the Senthesse-This service is in addition to our present expanding fixed base operatous . . . designed to after the best in rules, service and maintenance all over Dinie.

* * * * MANUFACTURERS WHO ARE INTERESTED in thorough



THE AIR WAR

Rise in Nazi Air Strength in West Due to Removal from Russian Front

Luftwaffe not getting stronger, despite reports of increased powers Germans follow strategy that led to defeat in Africa.

have been broken up, and each

Henry Tell Taken-Also in the

5,500 as aparest 5,000 then with a

Air bendung, highly explosive racket shells and intensely burning h Whirthough Founds... Many are lead, current production estimates not to



alsed 400 of these fathers per month Blomber Ostent Of ... As fighter of Oct 7 It is doubtful if bomber

centage for lighters is still rising



BRITISH GLIDER GLANT IN TOWY This was plants released by British Information persons, about British's



More than 999 WAVE printed Four Plane Coptains - At the Jack-



LAST MINUTE INSPECTION BEFORE RAID:



AIRCRAFT PRODUCTION

Plant Without War Orders Profits By Research on Post War Models

California Aero Glider Co. develops variety of ground transers designed to meet private and commercial demand at war's end. By SCHOLER BANGS

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California Acro Gibler, Co 's Testaeres This estall, p gressine company designed these two sree-flight tra ers, which presented basin-specy. On left is on au

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AMERICAN INGENUITY IN THE PACIFIC:

Officers and officials returning from the user stones are graining the Austrians mechanist meaning in accordance, ascertaining and repairing courabless under primitive conditions. This ratus Marine Corps photo shours a boos stade from saffice irres to emble technicisms to lise up the rights on

his staring objective the engine he stopped and the cettre engine propolity measuring will be out down rate a fundage well. A hoperated starter allows resum of motorroad flight at will.

Truman Group Probes North American Plant

Waligren louds fama's contribution to war effort but admits charges of inefficiency in Dallas unit. A subcommittee of the Truman

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Johs
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you." So Howard Averain Core.
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If Arrold and in British IIs out to one day last week there were to place week there were to place to provide the US to recome points, but that greater received are recommy.

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Arrenalt industry will be senong the first five in America after the war, anys. A. W. Zelanick of International Statistical Berrau, Inc., although at did not mak among the first 69 mell way's ylore Problems of the industry.

Hanny J. Kenet becomes penades and inverses active management of Browder Aeromatical Coap Frederick Dated, resource procedes and devoted, accepting Navy Seeps med. As previously the Condition of Asiatives News, the Navy Seeps company control past prior to Kenner's election as president.

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H, New York City, Nov. rincipal numbers of A ethinistral Board, ASOD agazoning societies at we thread standards gauge our of NASC are reprine in writisties prime control



275-LB TEST EACH BLADE:



CHIEVROLET PLANT TURNS OUT PROPELLERS

Aircraft Unions Balk At Incentive Payments

Industrive de program believed

Charles E. Wilson, WPD rooms-

inches concept, but this work is must be sought mustly through a Further Study-Members of the

More Gliders





RESCRICTARYS ARE DOING THEIR PART DAVICHITA, KANSAS, U.S. A

AVIATION NEWS . October 12 1869.

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THEY DEBATE HYDRAULIC VS. ELECTRIC CONTROLS

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Pensantrena - Central Authors

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VACO OF SPITALE, AND TRANSPORT DEAD

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Robert McRevanlets test palet for the

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LIGHT

FLOORS

materials. Hence they select more light. I decrease analysis, owner and

ATLAS

For Light-Reflecting Floors

AVIATION NEWS . October 15, 1943

AVIATION NEWS . Ortober 15 1943

TRANSPORT

Pan American Asks U.S. Chamber To Reconsider Foreign Route Policy

Declares Resolution on International Air transport policy in "fundamental conflict" with views of industry

A letter to Brar Jehnston, pres-Cooper, vice-president of Pan

resolution. In furnismental con- Fiction ATA Stand-Cooper position



mee, vice-president and general

Descripted Competition—The com-

Airport of Future Described by Burden

Commone Dane, wide years some

Airline sirports, he predicted, will



EVOLUTION IN COPTERS



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He doubted, he added, that "com-

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addition to passengers, the plane

Proponents of Feeder Systems Testify on Equipment Needs

doubt that all projects will be self-supporting. Problem under study by Civil nesses endeavored to resolve that F Wheel and Spoke Plan-Serie are-Spokesman for one of the manu-

Declare Manufacturers could meet requirements but express

Frofic Servers Some of the wet. From Analysis Carl Weatten of



PCA INSTRUCTS WOMEN AS LINK OPERATORS:

Roure Ballyhoo Cavil Aeconomics Board has

Beech Ameraft Corp., gave the described the Aero Hydro Pickup menta up gliders of a maximum weight of 14 000 lb. he said, but will to small communities and rural

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William A. Ong, of Ong Ascerati, traceed pilots, have for operating

CAA Starts Mid-flight Reports on Weather

CAA's 22 control recorn warm e legated beam Plans are to expect

b Available to Corriers-Air corners their own fight depatchers, but

C. & S. Registers Stock Chrom and Sentern has renotered 167,508 shares of common Sexty thousand sharps evidenced on aggregate of \$800,000 The remassing 47,600 shares were recu-

ATTATION NEWS . October 18, 1442

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TCA's forthcoming metal flight from

SIMPLICITY OF HUNTER HEATERS BROADENS USES

Engineers Aid Application of Universal Gaseine Burner

equipment are colling every day for

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lufferin "HA-7" or for engineering

that should be addressed to . . .

17th Street, Cleveland, Ohio,

PERTURES "STREET IN STREET" PLANE

The base une is a completely en-

"Area Airlines" Erged For New Operators

house G. Roy orly CAS expense

tion until 1945, in Boy's extraon P Ayes Airlines In describing "area



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ing about 270 ms. Bight planes weeks be 460 on the twelve-tree

F Lost Time at Airports... One ways problem, if such a line is to be fast a made purway, at least 2,000 fact be 4,000 feet, with a center terms-

construction, he mad, will permit Air Giants 6 Years Off, Says Monro

PCA head sees no quick post-was The immediate post-war period

Instead, the four types of planes Figure Thinking-Calling for

ALASKA STAR RECEIVES LODESTAR:

Lockhool Awaraft delivered the wortens Ladastar Lockhool traxmort to

b Sendromen-Mouro put in a good on that leve's farmous convinue by Over the great cardle seate of 2.460 we, he said, the DC-3, the

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Pickup Line Elects All American reports cales as anneal sockholden' and directors

President B & Busiey of All

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> SAE Maps Cargo Plane Study at Chicago

Hotel, Chicago, Nov. 5-9, Cargo Cartes Weed, Douglas Aleeraft

sirlines" he said they would be Stewart arranged a detailed stoner-

ATTATION NEWS . October 18, 2943

will discuss dough problems at the Francis speakers will metude H

Plane Radio Depot

houses 990 ft long and 100 ft Air Planning Parley

the industry as well as national, Transport Meeting Set b Example -An example is provided

Speakers at the meeting will up-

be William Littlewood, Robert

FINANCIAL

Danger to Aircraft Earnings Exists But Fallacy Seen in Harvard Study

Reduction of success by contract repropriation could be largely effected through series application of Excess Profes Tax rather than tie up Army experts with endless bookkeeping chores-

By ROGER WILCO

\$1 Beech Dividend

Walter 11. Beech, president and

Orders were sufficient, he said

NAC Nets \$493,523

Nice months' income includes

h Assets Worth \$17 a Share-The

share, while on Sept. 33, 1962, the

TWA Buys Interest In TACA Lines Lowell Years Continues as Chief

West Indian Adversa and Branl-Transportmental and Western

WANTED AFROMAUTICAL EMPLACEDS

Durabas and projected intelligence of the property of the prop



with offices in New York and Mo-

Pocket one (2%od/G); or nev Sensiter and prices on record

PUBLICATIONS PUBLISHING COMPANY IN THE AVENUE . DIFT AN . NEW YORK IS N. Y.

Jack Free, president of TWA

993, with the other \$800 000 division

Peak B-17 Output

From mid TWA also has appreciated

UAL Converts DC-3s

Into "Cargoliners" TWA's returned in the deal

C P Graddick, director of the

Give Your Employees Handy Bond Booklet Henry paper stock speer, in red

HELICIPTER DEVELOPMENT ALFONAUTICAL PRODUCTS INC 18100 Byen deed Drivet 21, Michigan AVIATION NEWS . October 15 1943

For Airliner Type Tests Now

transport types on the authors-no matter testing by the Crysl Agrenautics Administration

Departus C-47, or other DC-3 versations can be put well be proof that convergon has been made to prescribed factory strength tests, the time would Recouse of the complexity of such tests, and the

The results would be chose and delay for the

arburs, the CAA, and the public, yet without some

of at least one surling-type for transfer to CAA. vertices a C-54, for exemple, tests can be com-

The Glider's Future

ticum anaroxocromes are neglecture a relden T conceptants to satisfy the sublish demand for facts about post-wer alseer transport possibilipersoned public relations program, they couldtransport. A well-perposed information program the glider in public transportation

efficiency and rapid output. Again, this fact is not Accomments expressements appear to be the key to conserve feautidaty. War models have telatayely high head resistance. Present chidne ratio

of about eight to one could be improved all the year to a ratio of turnity to one, depending on procomplaints of overloading the tow plane, and would make commercially advantageous trains of several gliders. Furthermore, glader advocates contend

I do the arrelane, the plater has always suffered from over-enthusiasm by those who expect it to do

all sole better than ony other transportation. It can never compete in some respects with the powbranging all aviation closer to every man. This is the story which a recomined, authoritative elider

association could tall



ANOTHER HAZARD REMOVED

Laboratory and flight tests prays that voluntum, the witnesten opercol is expliced to the sheek-respective of

With vibration abserption suggestables 200 was cont.

becomes available. To a symbet flight crew, the heaved of last radio assessed is resettedly alterbated Other edverteges of this new shock surpression ere-

and repair, and the expertently of eliminating excess would in sadio norte formerly recycled to withstead

heastit in safety and economy from this daveloussess.

ROBINSON AVIATION, INC. BACK THE ATTACK-BUY MORE WAR BONDS

AVIATION NEWS . Delaker 15, 1945



PICTURE OF 90° BELOW



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AND

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